



## CT-5/CT-7 Mini Theater High Performance Loudspeakers

REDEFINING THE WAY YOU EXPERIENCE SOUND

## RBH CT-5/CT-7 Owners Manual

Congratulations on your purchase of an RBH loudspeaker system! Your speakers are the result of many years of research and development dedicated to producing high quality products for home audio and audio/video systems.

This manual contains features, setup recommendations and specifications for the RBH CT-5/CT-7 loudspeaker system. We recommend you thoroughly read through the material contained in this manual before connecting your loudspeakers. This will ensure you have an understanding of how to setup your speakers for optimum performance.

### Features

At the heart of our CT-5/CT-7 systems are proprietary aluminum woofers and midrange drivers. The special aluminum cone material combines stiffness, low mass and self damping properties in a manner that allows virtually uncolored presentation of program material.

A powerful magnet, extended voice coil and bumped back plate give the bass/midrange drivers high excursion capability. This ensures accurate dynamic reproduction. The driver is shielded by using a steel cup and additional magnet to cancel any stray magnetic field that may cause interference with video equipment such as tube televisions.

For high frequencies, a premium quality silk dome tweeter is used. This tweeter uses Ferro Fluid™ liquid cooling to allow greater power handling and is also magnetically shielded.

Steep acoustic slope crossovers are used to integrate drivers. The use of steep crossover slopes allows high power handling, minimizes driver interaction anomalies, and maximizes the clarity with which each driver is able to produce its respective frequency band. A polyswitch, or current limiting device, is used in the crossover to prevent damage to the tweeter if overdriven. This device is engineered to work 900% faster than a fuse.

Cabinets are constructed from cast aluminum. The cabinets also have a narrow profile to minimize cabinet defraction. The speakers literally disappear leaving only a deep, wide sound stage with pinpoint imaging. Gold binding posts ensure a good electrical contact. Sophisticated computer modeling and measurement techniques are used extensively in the RBH loudspeaker design process.

## System Setup

In order to extract the best possible sound from your speaker system, it is important to determine where the speakers will sound best in your listening room. Room reflections from the floor, ceiling and side walls influence the balance, imaging and overall sonic quality at the listening position. We suggest you experiment with speaker placement to determine which location offers the best overall sound.

As a starting point, we recommend placing your left and right MAIN speakers at least 15 inches from the back wall and 7 feet apart from each other. The distance from the listening position to each speaker should be close to the distance that separates the two main speakers. Angling the speakers inward towards the listening position may give a more spacious and realistic sound stage. Main speakers should be placed on stands or mounted with the available brackets which will elevate the tweeter close to the height of the ear.

In home theater applications, the CENTER channel speaker should be placed in the center between both left and right main speakers. Often times this positioning dictates placing the speaker either directly above or below a television monitor. Since the RBH C-4 speaker is shielded, it may be placed close to a television without cause for concern. The speaker may be used in a horizontal (lying down) or vertical position.

SURROUND speakers may be placed either behind or to the sides of the listening position. The listening position should be at the center of both surround speakers. For best performance you may want to experiment with angling the surround speakers either towards or away from the listening position.

Placement of the SUBWOOFER will largely determine quality, quantity, and extension of the bass frequencies within your listening room. Bass frequencies are reinforced by close room boundaries. Placing the subwoofer in a corner will make the subwoofer sound louder and boost the very lowest frequencies. Placing the subwoofer away from walls will provide the least reinforcement, making the bass sound subjectively thinner than if the woofer were close to a wall. Good results can usually be obtained by placing a subwoofer along a wall 3-5 feet from a corner. We recommend you experiment with subwoofer placement and the sub-amplifier controls to achieve the proper bass balance.

## Break-in Period

Plan on giving your speakers 10-15 hours of playing time to adequately “break-in”. During this time period the driver suspension will loosen up. The result will be an increase in low frequency response, openness of midrange and improved definition.

## Specifications

	<b>MM-4</b>	<b>C-4</b>	<b>MS-8</b>
Frequency Response:	100Hz - 20kHz $\pm$ 3dB	100Hz - 20kHz $\pm$ 3dB	40Hz - 200Hz $\pm$ 3dB
Sensitivity:	85 dB	88 dB	N/A
Power Handling:	100 Watts	120 Watts	150 Watt Amplifier
Drive Units:	1-1" silk dome tweeter 1-4" aluminum woofer	1-1" silk dome tweeter 2-4" aluminum woofers	1-8" aluminum woofer 1-8" passive radiator
Crossover Frequency:	3000 Hz	3000 Hz	Variable 40Hz - 160Hz
Impedance:	8 Ohms	4 Ohms	N/A
Finish:	Aluminum case with powder coat	Aluminum case with powder coat	Finished MDF cabinet
Dimensions:	7 1/4H x 5W x 4 1/2D	11 3/4H x 5H x 4 1/2D	13H x 11 1/4W x 13D
Weight:	4 lbs.	8 lbs.	35 lbs.

## Warranty Information

Your RBH Sound CT-5/CT-7 package loudspeakers are covered by a limited warranty against defects in materials and workmanship for a period of five years on the MM-4, C-4 and MS-8 woofer and one year on the amplifier from the original date of purchase. This warranty is provided by the authorized RBH Sound dealer where the loudspeaker was purchased. Warranty repair will be performed only when your purchase receipt is presented as proof of ownership and date of purchase. Defective parts will be repaired or replaced without charge by your dealer's store or the location designated by your dealer that is authorized to service RBH products. Charges for unauthorized service and transportation cost are not reimbursable under this warranty. This warranty becomes void if the product has been damaged by alteration, misuse or neglect. The warrantor assumes no liability for property damage or any other incidental or consequential damage whatsoever which may result from the failure of this product. Any and all warranties of merchantability and fitness implied by law are limited to the duration of this express warranty. Some states do not allow limitations on how long an implied warranty lasts, so the above limitations may not apply to you. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you.

Note: It is the policy of RBH Sound to continuously incorporate improvements into products, all specifications are subject to change without notice.

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